Please carefully read and save these instructions before attempting to assemble, maintain, install, or operate this product. Observe all safety information to protect yourself and others. Failure to observe the instructions may result in property damage and/or personal injury. Please keep instructions for future reference.

Important Operating Instructions

3/8 INCH REVERSIBLE AIR DRILL

Model: 7621

CALIFORNIA PROPOSITION 65

WARNING: You can create dust when you cut, sand, drill or grind materials such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.

WARNING: This product or its power cord may contain chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

Important!

When using equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating manual with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, give them these operating instructions as well. We accept no liability for damage or accidents which arise due to non-observance of these instructions and the safety information herein.

SPECIFICATIONS

Drilling Capacity: 3/8 inch
Free Speed: 1800 RPM
Working Pressure: 90 PSI
Air Consumption: 6 SCFM
Air Inlet: ¼ inch

The Reversible Air Drill is a pneumatic portable tool. The expected use is for drilling, honing, and hole sawing.

CAUTION: Read all safety regulations and instructions.

Any failures made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury.

Keep all safety regulations and instructions in a safe place for future use.

FEATURES & FUNCTIONS

- Durable, lightweight aluminum housing.
- Variable speed throttle for easy start.
- Convenient one-hand operation with side-mounted Forward/Reverse lever.
- Ideal for drilling, honing, and hole sawing.
- Handle exhaust.

SAFETY INSTRUCTIONS

1) Always wear approved eye protection, dust mask, ear protection and/or gloves when necessary.

2) Do not over reach when using this tool. Keep proper footing and balance at all times.

3) Dress properly. Do not wear loose clothing or jewelry. Keep long hair pulled back.

For warranty purchases, please keep your dated proof of purchase. File or attach to the manual for safekeeping.

4) Keep the work area clean and well ventilated.

5) Disconnect the tool from the air compressor before making any adjustments, changing the accessories or storing the tool.

6) Make sure the tool is in the OFF position before connecting to the air hose.

7) Never touch the moving parts of the air tool.

8) Never carry the tool by the air hose.

9) Do not use the tool in wet or explosive environments, especially near flame, flammable materials or surfaces.

10) Do not attempt to modify or tamper with the tool.

11) Excessive high air pressure and too much free rotation may speed up the wear of the tool.

12) Continuous operation for an extended period of time may cause numbness or aches in the hands. If this occurs stop immediately and relax before resuming operation.

AIR SUPPLY

(Refer to Diagram on Page 3)

1) Make sure that the air compressor operates at the correct output (CFM) for the air tool.

2) Turn the throttle to the OFF position before connecting to the air supply.

3) Use 90 PSI air pressure while running the tool. High pressure and unclean air will shorten the tool's life and cause faster wear, and also may create a hazardous situation.

4) Drain the air tank daily. Water in the air line may enter the tool and damage the operation of the tool.

5) Clean the inlet filter cartridge weekly. The recommended hook-up procedure can be viewed in the diagram on page 3.

6) Line pressure should be increased accordingly to make up for extra long air hoses (usually over 26 feet). The minimum hose diameter should be 1/4 inch and the fittings should have the same inside dimensions. Usually a 3/8 inch air hose is recommended for air supply to get the best function of air tool operation.

7) Use proper hoses and fittings. It is not recommended to connect quick change couplings directly to the tool since they may cause failure due to vibration. Instead, add a leader hose and connect a coupling between air supply and hose whip.

8) Keep hoses away from heat, oil, and sharp edges. Check hoses for wear before each use. Make sure all connections are secure.

MAINTENANCE & LUBRICATION

1) If you are not using an air line oiler, lubricate the air motor by using an oil pot or an oil injector through the air inlet and then run the tool. Several drops of SAE #10 lubricant. Sewing machine lubricant is also acceptable for this purpose. **Do not use detergent oil.**

2) Before connecting the hose for operation, apply 4 to 5 drops of oil at the air inlet. Avoid using thicker oil which may lead to reduced performance or malfunction.

3) Oiling is necessary within 1 or 2 hours of continuous operation.

4) After operation, take off the air hose and pour 4 or 5 drops of oil into the air inlet. Connect the hose again in order to run the tool for a few seconds, which helps prolong the life of the tool.

5) Once a week, clean the air inlet filter cartridge located on the air line.

STORAGE

Store the tool in a dry location, away from high humidity. High humidity may result in rusty mechanisms inside the tool. Before storing, oil the tool at the air inlet with proper spindle oil and run for a few seconds.

Troubleshooting Guide

Symptom	Possible Cause(s)	Corrective Action
Tool does not run at a normal speed or at a variable speed	Air supply is not enough (air pressure not at required standard)	Check the air hose to see whether it is blocked or twisted for less air supply
	Speed controller/switch breaks down	Check the air compressor to gain the correct air pressure required
The motor blocks	Rotor blades break or wear out	Replace rotor blades
	Dust gets into the motor	Disassemble the tool and clean the inner structure under proper instructions
Automatic start when connected to compressed air	Throttle lever or starting trigger malfunctions	Check and fix the throttle lever or starting trigger for accurate operation
	Air leakage	Check the air leakage and fix it under proper instruction
Torque reduces	Bearing(s) damaged	Replace damaged bearing(s)
Abnormal vibrating (Heat rising from the housing)	Corresponding O-ring(s) wear out or out of position	Replace damaged O-ring(s) or put it back in correct position
	Lack of lubrication	Oil / lubricate the tool consistently until it gains the right speed and torque

Limited Manufacturer Warranty

North American Tool (NAT) Industries makes every effort to ensure that this product meets high quality and durability standards. NAT warrants to the original retail consumer a 1-year limited warranty from the date the product was purchased at retail and each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations, or a lack of maintenance. NAT shall in no event be liable for death, injuries to persons or property, or for incidental, special or consequential damages arising from the use of our products. To receive service under warranty, the original manufacturer part must be returned for examination by an authorized service center. Shipping and handling charges may apply. If a defect is found, NAT will either repair or replace the product at its discretion.

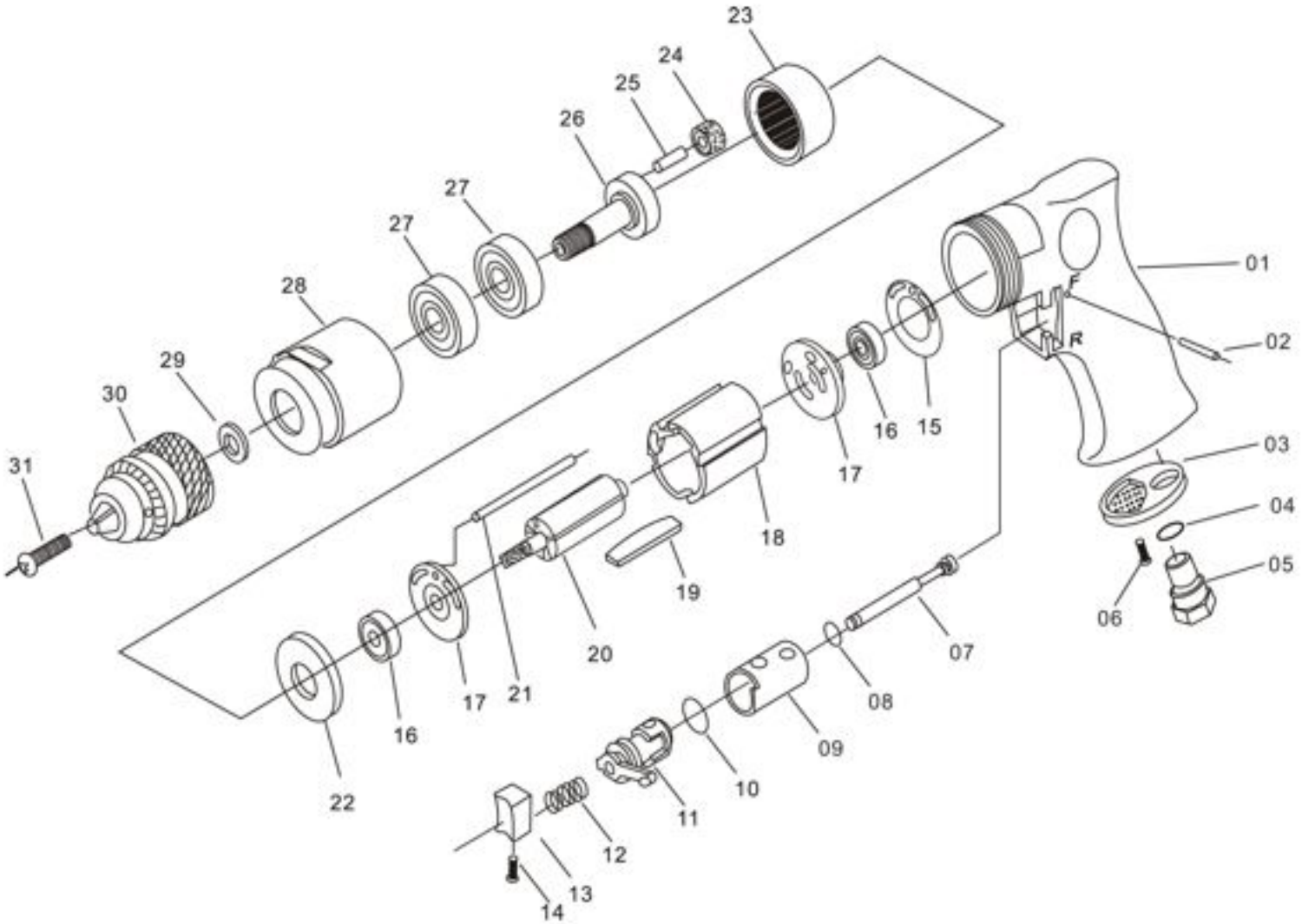
DO NOT RETURN TO STORE

For Customer Service:
Email: feedback@natitools.com or Call 1-800-348-5004

3/8 Inch Reversible Air Drill

Model: 7621

Parts List



Call 1-800-348-5004 for assistance or replacement parts

Please provide the following information:

- *Model number*
- *Part description and number as shown in parts list*
- *Serial number (if any)*

Address any correspondence to:

North American Tool Industries
84 Commercial Rd
Huntington, IN 46750

No.	Description	Quantity
01	Housing	1
02	Spring Pin	1
03	Exhaust Deflector	1
04	O-Ring	1
05	Air Inlet Bushing	1
06	Screw	2
07	Valve Stem	1
08	O-Ring	1
09	Reverse Bushing	1
10	O-Ring	1
11	Reverse Lever	1
12	Spring	1
13	Trigger	1
14	Screw	1
15	Motor Gasket	1
16	Bearing	2

No.	Description	Quantity
17	End Plate	2
18	Cylinder	1
19	Rotor Blade	5
20	Rotor	1
21	Pin	1
22	Spacer	1
23	Internal Gear	1
24	Planet Gear	3
25	Pin	3
26	Work Spindle	1
27	Bearing	2
28	Clamp Nut	1
29	Gasket	1
30	Grill Chuck	1
31	Chuck Screw	1